SOCIALIST REPUBLIC OF VIETNAM Independence - Freedom - Happiness

FINAL YEAR PROJECT PROPOSAL

(This form must be attached at the first page in the report of the final year project)

Student's name: PHAN TIÊN MINH Student's ID: 1852581

BÙI VIỆT THẮNG 1852750

Program: Mechatronic Engineering Class: CC18CDT

1. Topic:

Analysis and design of soccer robot (Phân tích và thiết kế robot đá banh)

Inputs:

- Based on the existing conceptual design

- 2. Expected outcomes:
 - Overview of the project
 - Analysis and implement a prototype of soccer robot system

Phan Tiến Minh

- Analysis and fabricate the prototype of soccer robot
- Implement a vision system in determining position and orientation of the objects

Bùi Việt Thắng

- Model the kinematic problem and control the position of the robot
- Implement the path planning to shoot the ball into the goal
- Technical drawings: 5 , including:
 - + 1 A0 drawing, about: assembly of robot structure + 1 A0 drawing, about: electrical device connection
 - + 2 A0 drawing, about: control algorithms
 - + 1 A0 drawing, about: approaches

3. Starting date: 05 / 09 / 2022
4. Ending date: 23 / 12 / 2022

5. Supervisor: Responsibility:

- Pham Công Bằng , Department of Mechatronic Eng. 100%

The proposal has been screened by the Head/Deputy Head of the department.

Sep 05st, 2022

Head of Department Main supervisor